Abstract Submitted
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Model of the Fast Moving of the Earth's Magnetic North Pole Based on the Pulsating Mantle Hypothesis HASSAN GHOLIBEIGIAN[1], No Company Provided — In this hypothesis, two phenomena; Inner Core Dislocation (ICD) and Outer Core Bulge (OCB) have appeared inside the Earth due to unbalanced gravitational attraction of the Sun and the Moon, and consequently the mantle is under diurnal cyclic pulsating load by it. In the other words, the inner core's center and axis (Earth's magnetic axis) do not crossed or overlapped on the Earth's center and axis (geographic axis) and distance between these two centers and axes vary permanently in magnitude and direction. These two phenomena have diurnal cycle due to daily Earth's rotation, lunar cycle due to the monthly Moon rotation, and yearly cycle due to solar circuit. The ICD&OCB have generated hydro-magneto-thermo-mechanical load including high kinetic energy which produces forced convection system in the outer core and pressurizes the mantle from its bottom. As a result, the Earth's magnetic axis (inner core axis) is rotating around the Earth's geophysical axis per day while it is wobbling in a parallel situation with the Earth's axis [H. Gholibeigian, A.A, adsabs.harvard.edu/abs/2012AGUFMPA23A1960G]. Therefore, we can see the Earth's magnetic North Pole is moving so fast. As a new observable factor is the National Oceanic and Atmospheric Administration announcement on Feb. 4, 2019.

[1]AmirKabir University of Technology

Hassan Gholibeigian
No Company Provided

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